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| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Application Number | 10/692,185 |
| | Filing Date | October 23, 2003 |
| | First Named Inventor | Steve Michael KELLY |
| | Art Unit | 2624 |
| | Examiner Name | Claire X. Wang |
| Total Number of Pages in This Submission | Attorney Docket Number | PGS-03-20US |

| ENCLOSURES (Check all that apply) | | |
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| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | | |
|--|------------------------------|----------|--------|
| Firm Name | Petroleum Geo-Services, Inc. | | |
| Signature | <i>E. Eugene Thigpen</i> | | |
| Printed name | E. Eugene Thigpen | | |
| Date | January 24, 2007 | Reg. No. | 27,400 |

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Steve Michael Kelly

Serial No. 10/692,185

Filed: October 23, 2003

Title: METHOD FOR IMAGING OF
PRESTACK SEISMIC DATA

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Group Art Unit: 2624

Examiner: Claire X. Wang

Atty Docket No. PGS-03-20US

Mail Stop Amendment

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E. Eugene Thigpen
E. Eugene Thigpen

Date: January 24, 2007

RESPONSE TO OFFICE ACTION

(A) INTRODUCTORY COMMENTS

This letter is in response to the first Office Action, mailed November 2, 2006, in the patent application identified above.

Claims 1-5 are pending in the present patent application. Claims 1-4 are accepted, while claim 5 is rejected in the Office Action under 35 U.S.C. §101 and §112, second paragraph. Claim 5 is amended in this response.

A complete set of claims, including amended claims, are presented below in Section (B) Amendments to the Claims, in compliance with 37 CFR 1.121. These amendments and traversal of the claim rejections are discussed below in Section (C) Remarks.

The sections of this response begin on the following pages:

| | |
|--------|------------------------------|
| page 1 | (A) Introductory Comments |
| page 3 | (B) Amendments to the Claims |
| page 5 | (C) Remarks |